

DWDM LASER FREQUENCY CONTROL

Abstract of the Disclosure

5 Highly efficient control of laser frequency is provided. An optical channel
monitor is coupled to a composite WDM signal resulting from the multiplexing of
outputs from multiple laser sources. The monitor determines the frequency of each laser
and this measurement is used to provide feedback for laser frequency control. In this way
a single optical channel monitor can provide frequency control for numerous WDM
10 channels, greatly reducing the cost and space required. Monitoring capability may be
provided to individual channels as needed.